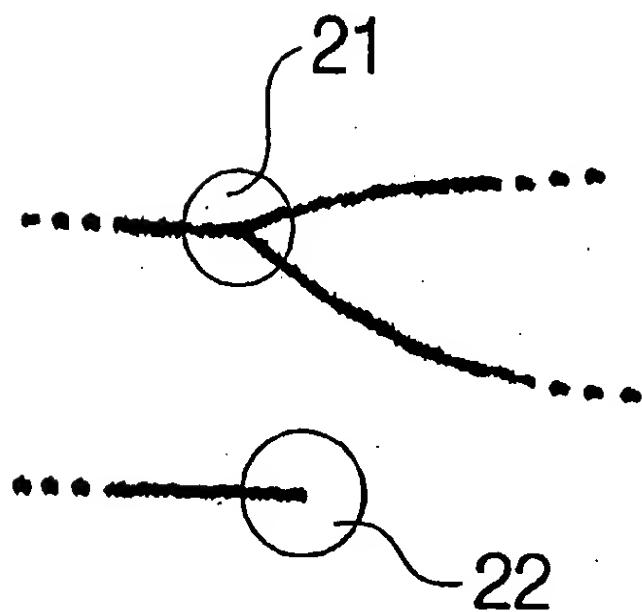


App No.: 09/994,173  
Inventor: Jun S. YOON et al.  
Title: METHOD FOR EXTRACTING FINGERPRINT FEATURE  
DATA USING RIDGE ORIENTATION MODEL  
REPLACEMENT SHEET

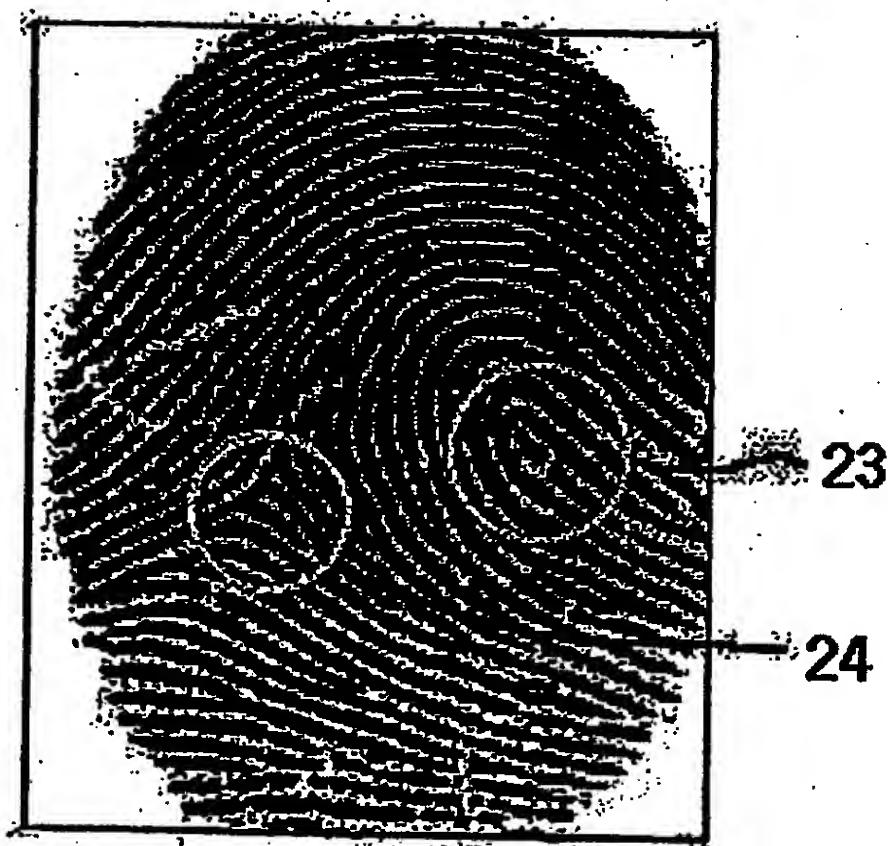
Docket No.: 404302000700

Replacement Sheet



PRIOR ART

Fig.1a



PRIOR ART

Fig.1b

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Inventor: Jun S. YOON et al.  
Title: METHOD FOR EXTRACTING FINGERPRINT FEATURE  
DATA USING RIDGE ORIENTATION MODEL  
REPLACEMENT SHEET

Replacement Sheet

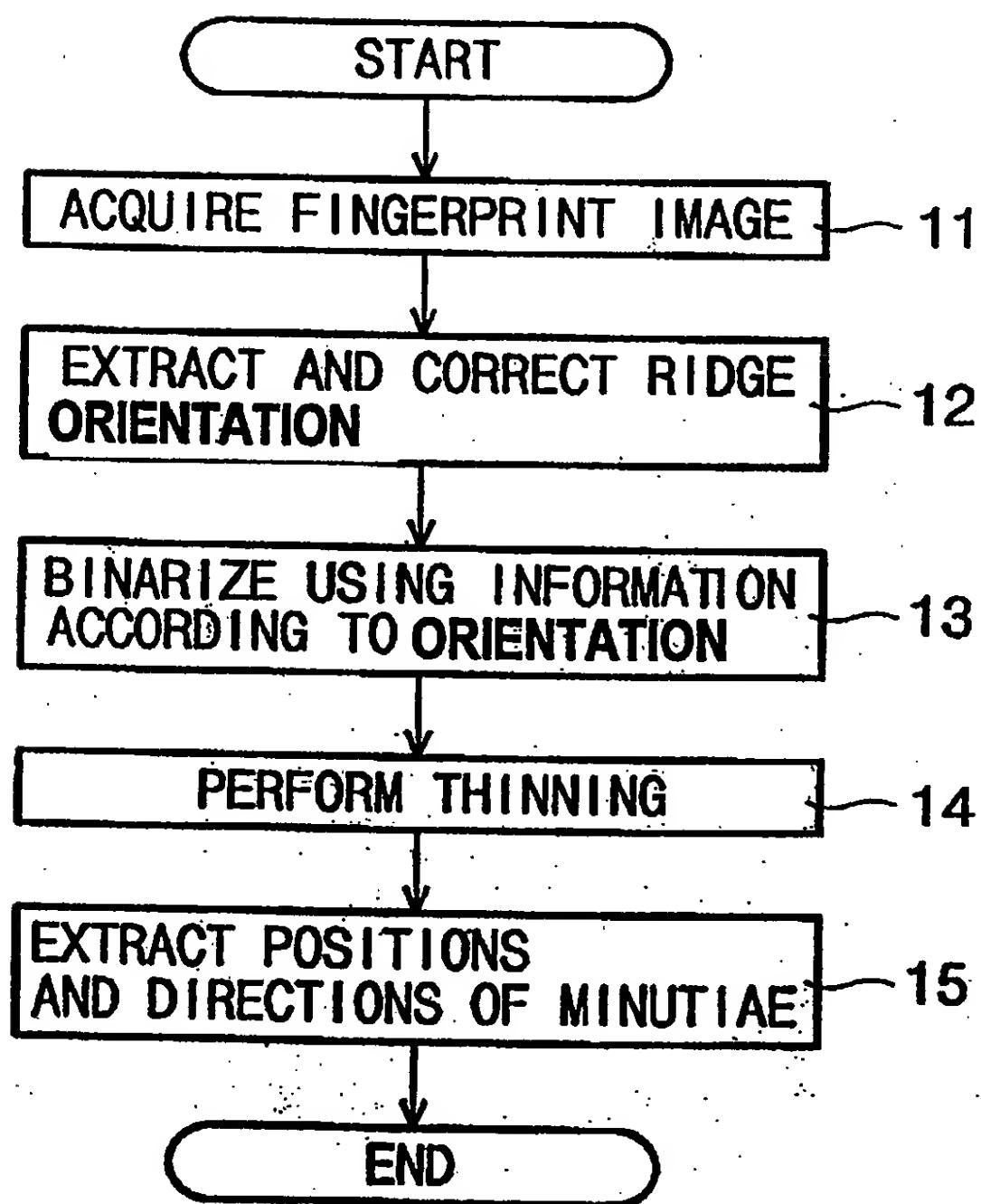


Fig.2

PRIOR ART



App No.: 09/994,173

Docket No.: 404302000700

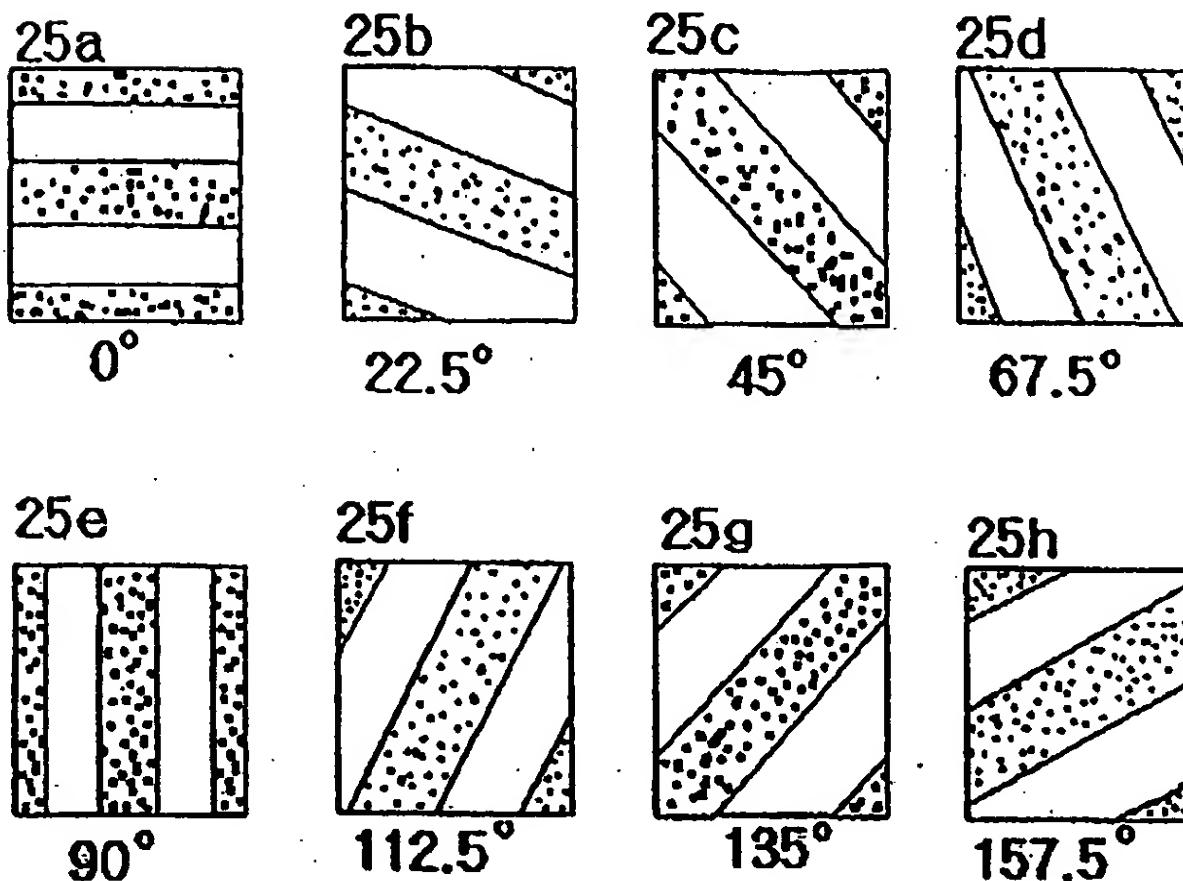
Inventor: Jun S. YOON et al.

Title: METHOD FOR EXTRACTING FINGERPRINT FEATURE

DATA USING RIDGE ORIENTATION MODEL

REPLACEMENT SHEET

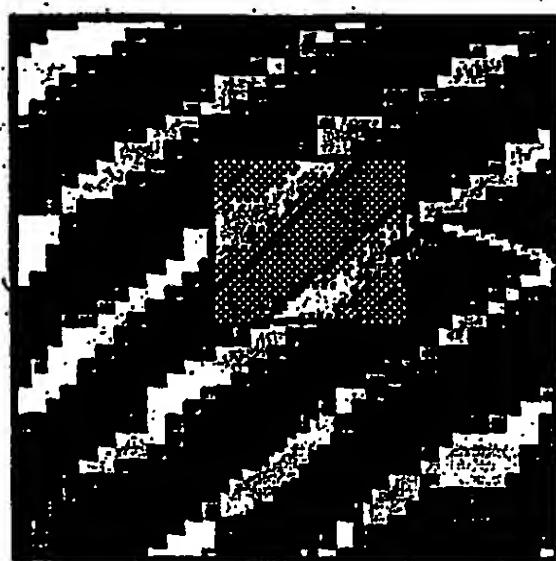
Replacement Sheet



REGION WITH NEGATIVE COEFFICIENT VALUE  
 REGION WITH POSITIVE COI

PRIOR ART

Fig 3a



25h

PRIOR ART

Fig 3b

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App No.: 09/994,173

Inventor: Jun S. YOON et al.

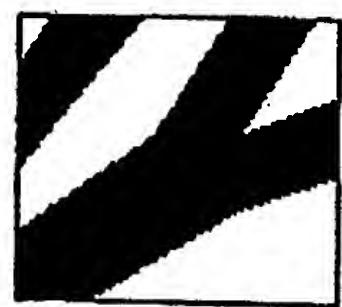
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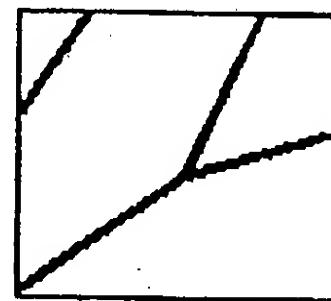
Title: METHOD FOR EXTRACTING FINGERPRINT FEATURE

DATA USING RIDGE ORIENTATION MODEL

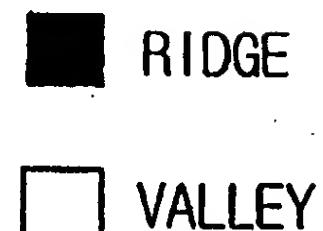
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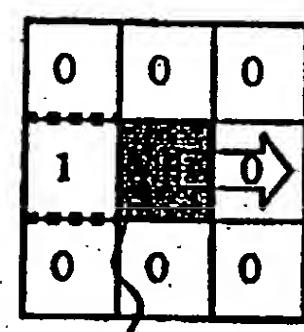
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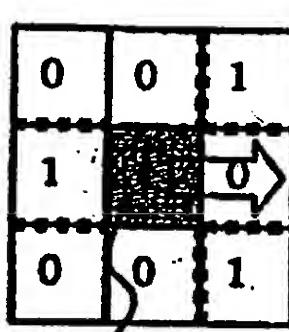
THINNED IMAGE



PRIOR ART



ENDING POINT  
(a)



BIFURCATION  
(b)



: RIDGE



: VALLEY



: RIDGE DIRECTION

..... :

PART WITH TRANSITION  
FROM 0 TO 1, OR FROM 1 TO 0

Fig. 5

PRIOR ART

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